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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Yasushi Akiyama

Serial No.: 10 / 519,242

Group Art Unit: 1713

Filed: December 22, 2004

Examiner: WU, IVES J

For: Composition for antireflection coating and method for forming pattern

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

DECLARATION UNDER 37 C. F. R. § 1.132

I, Yasushi AKIYAMA, a Japanese citizen, residing in Kakegawa-shi, Japan, declare as follows:

I received a Bachelor of Science degree from Yokohama City University in March, 1999 and a Master of Science degree in organic chemistry from Yokohama City University in March, 2001. I had had been employed by Clariant (Japan) K.K. as a research & development engineer from April, 2001 to October, 2004. And then, I have been employed by AZ Electronic Materials (Japan) K.K. as a research & development engineer since October, 2004. I have been involved in research and development work relating to photoresists and ancillary chemicals since 2001.

I have been named as an inventor on at least 2 US Patent pending and 3 Japanese patent pending applications. I am an applicant in the above-mentioned patent application and an inventor of the invention claimed therein. I am familiar with the references which were used in the rejection thereof.

In order to prove that the Example of cited document, JP08-044066, is impossible to exercise, the following experiments were performed by me or under my direction and control by a colleague who has communicated his finding to me.

< Experimental report >

Review of experimental EXAMPLE 1 for the patent application JP08-044066.

<TEST1 corresponding to the Example1 of JP08-044066>

25.5wt% aqueous solution of heptadeca fluoro octane sulfonic acid (1.1953g) was mixed to 25wt% TMAH aqueous solution (0.1808g). And then, deionized water (8.4739g) was added. After mixing this solution with magnetic stirrer for one day, Aldrich agent; Nafion (0.15g: perfluorinated ion-exchange powder) was added to 100% PFOS-TMAH neutralization salts aqueous solution. The sample was stirred for one day. However, the precipitation was observed in the solution.

< TEST2 >

Nafion (0.15g: perfluorinated ion-exchange powder) was added to deionized water (4.85g). After mixing this solution with magnetic stirrer for one day, Nafion couldn't be dissolved in deionized water.

I declare that all statements herein made on information and belief are believed to be true. I understand that willful false statements and the like are punishable by fine or imprisonment or both (18 U.S.C. 1001) and may jeopardize the validity of the application or any patent issuing thereon.

Nov 17th, 2005

Yasushi AKIYAMA